In the Claims:

Cancel claims 3, 5, 8 and 10 without estoppel or disclaimer of the subject matter thereof, and amend claims 1, 4, 6 and 9, as follows:

1. (Currently Amended) A computer-implemented method for designing a shape of a blade having operational stability ~~where the shape of the blade is designed~~ while optimizing a plurality of objective functions ~~are optimized, wherein the plurality of objective functions include~~ including incidence toughness that indicates operation stability of the blade and at least one of a trailing-edge deviation angle, a pressure loss coefficient, a maximum slope of blade surface Mach number for pressure distribution, a lift/drag ratio, and a blade load ~~and incidence toughness that indicates operation stability of the blade~~, the method comprising the steps for:

performing an optimization analysis on the plurality of objective functions according to Pareto optimization approach; ~~and~~

selecting Pareto solutions from the optimization analysis ~~on the basis of consideration of a trade-off~~ for optimal relationship between the objective functions~~.~~; and

determining the incidence toughness from first and second evaluation values of a parameter at first and second incident angles whose signs are, respectively,

opposite to each other about an incident angle with respect to a design point on the blade.

2.-3. (Cancelled).

4. (Currently Amended) The computer-implemented method according to claim ~~3~~ 1, wherein the absolute values of the first and second incident angles are 10° or less.

5. (Cancelled)

6. (Currently Amended) A computer-implemented program stored on computer-readable medium for designing a shape of a blade having ~~operation~~ operational stability ~~where the shape of the blade is designed~~ while optimizing a plurality of objective functions ~~are optimized, wherein the program instructs the~~ when executed on a computer ~~for~~ to:

~~executing~~ execute a step where incidence toughness that indicates operation stability of the blade and at least one of a trailing edge deviation angle, a pressure loss coefficient, a maximum slope of blade surface Mach number or pressure distribution, a lift/drag ratio, and a blade load ~~and incidence toughness that~~

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~~indicates operation stability of the blade~~ are a set ~~as one~~ of the plurality of objective functions; ~~and~~

~~performing~~ perform optimization analysis according to Pareto optimization approach on the plurality of objective functions so that Pareto solutions are obtained ~~on the basis of consideration of a trade-off~~ that optimize a relationship between the plurality of objective functions.; and

the incidence toughness from first and second evaluation values of a parameter at first and second incident angles whose signs are, respectively, opposite to each other about an incident angle with respect to a design point on the blade.

7.-8. (Cancelled).

9. (Currently Amended) The computer-implemented program according to claim ~~8~~ 6, wherein the absolute values of the first and second incident angles are 10° or less.

10. – 15. (Cancelled).

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